



EPA Response to Hurricane Harvey

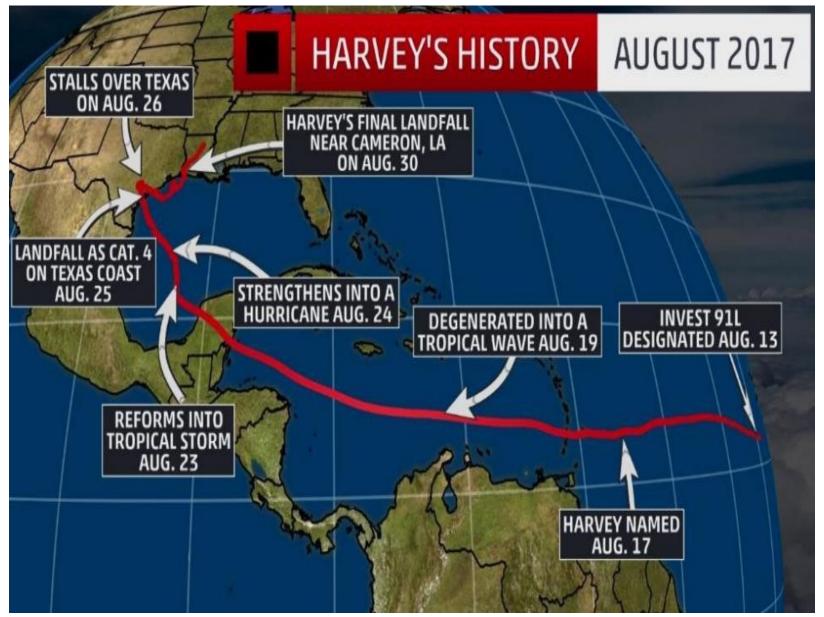
Carl Edlund
Director, Superfund Division
Region 6









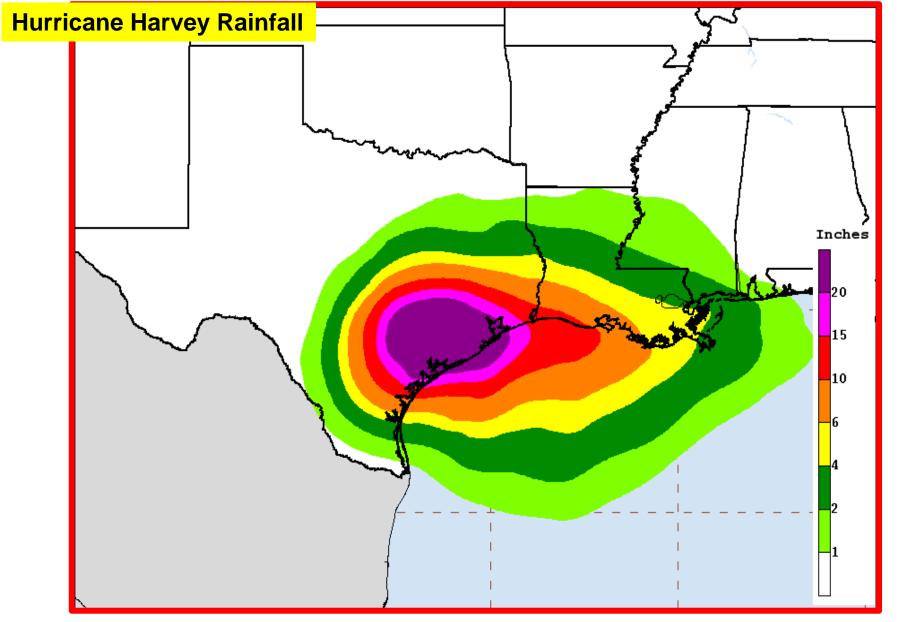












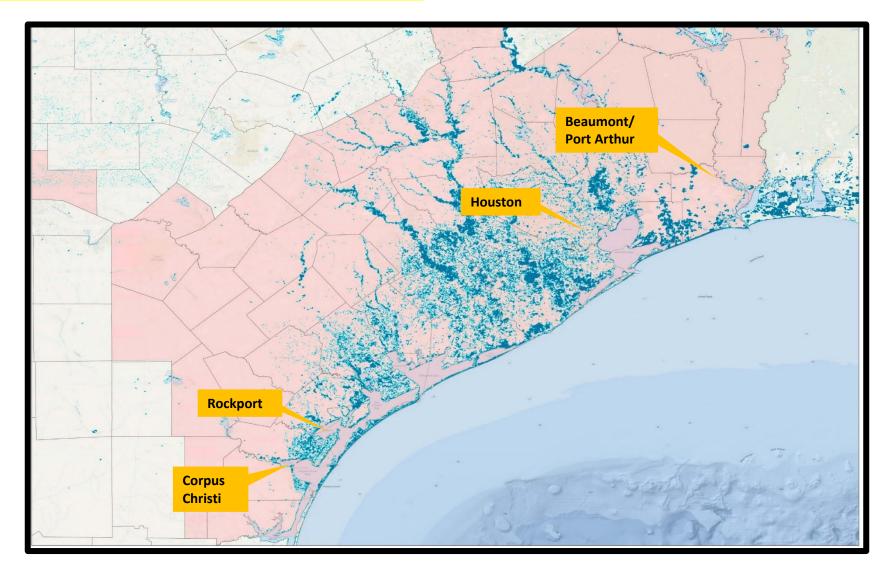








Hurricane Harvey Flooding











UNIFIED COMMAND









RESPONSE OBJECTIVES

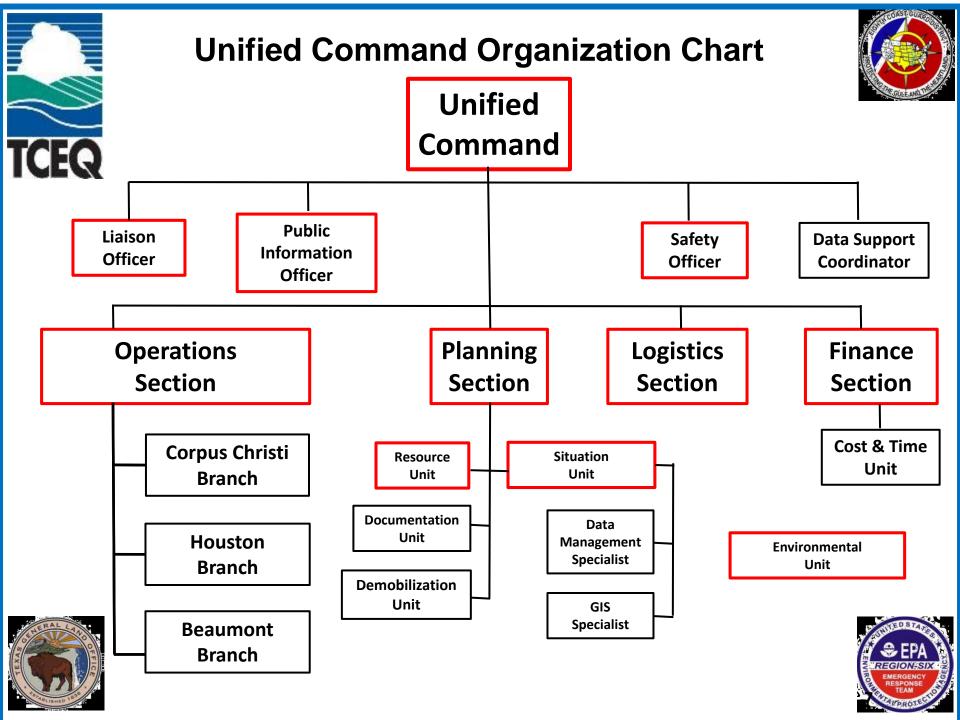
- Maximize protection of public, health, and safety.
- Coordinate through the Unified Command.
- Drinking water and wastewater systems
- Orphaned containers or discharges
- Identify and address pollution targets.
- Critical infrastructure, chemical, and refining facilities
- Inform the public, stakeholders, and the media
- Deploy unique EPA assets
- Secure Superfund sites



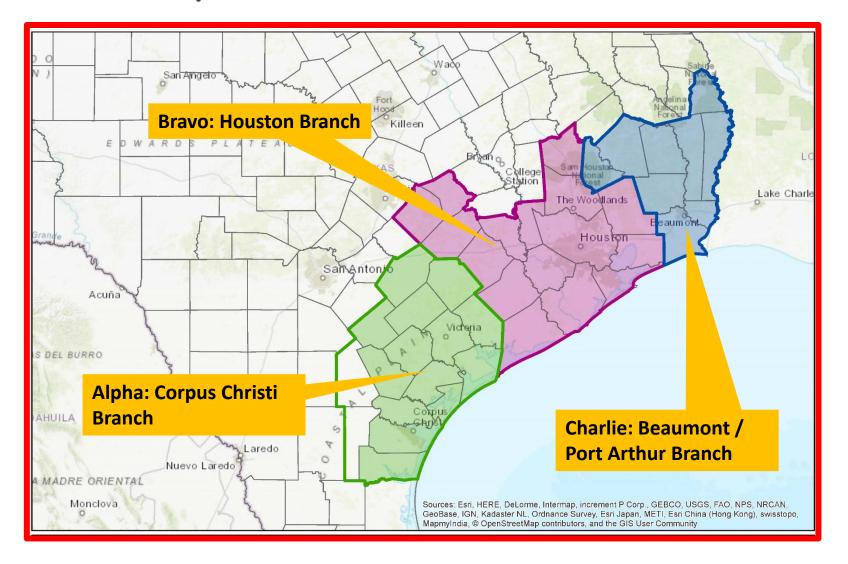








Theater of Operations













Unified Command Mobile Command Post









Command & General Staff Meeting, Corpus Christi, TX

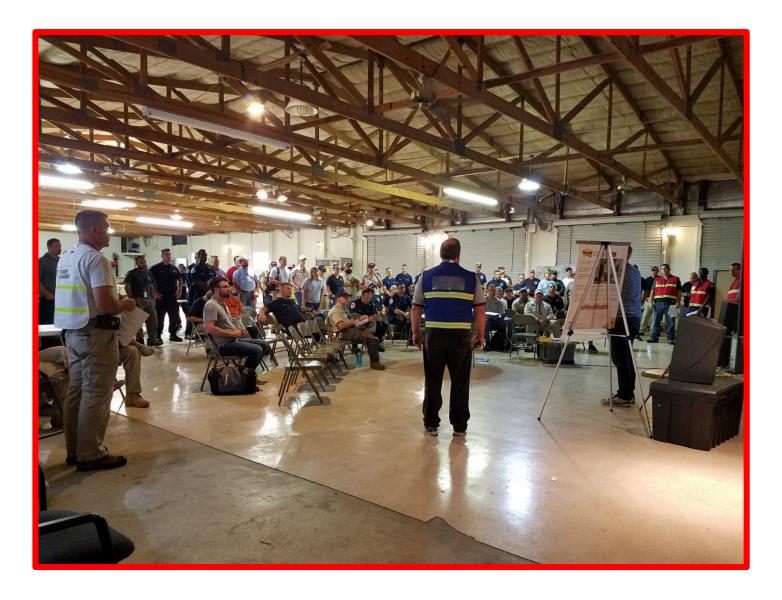














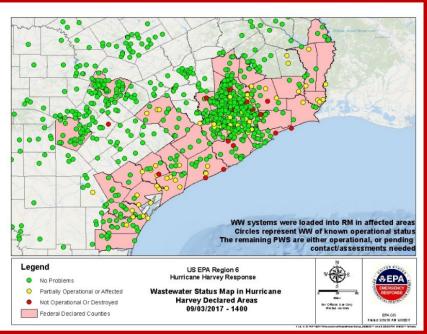




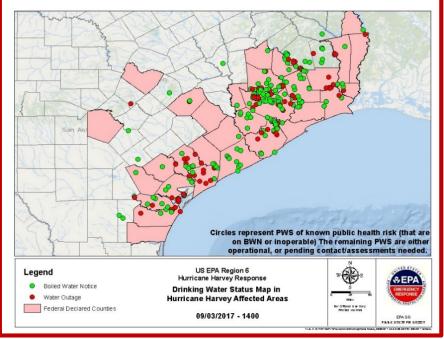


Drinking Water / Waste Water Assessments

















Orphaned Container Recovery

Port Arthur

Corpus Christi



Port Aransas













Support to TCEQ / Staging Area Observers















Superfund Sites













ASPECT Activities

- •RMP & FRP assessments
- Pipelines
- Refineries
- Releases at chemical and oil facilities
- Releases and orphan containers











Arkema Chemical Facility, Crosby, TX

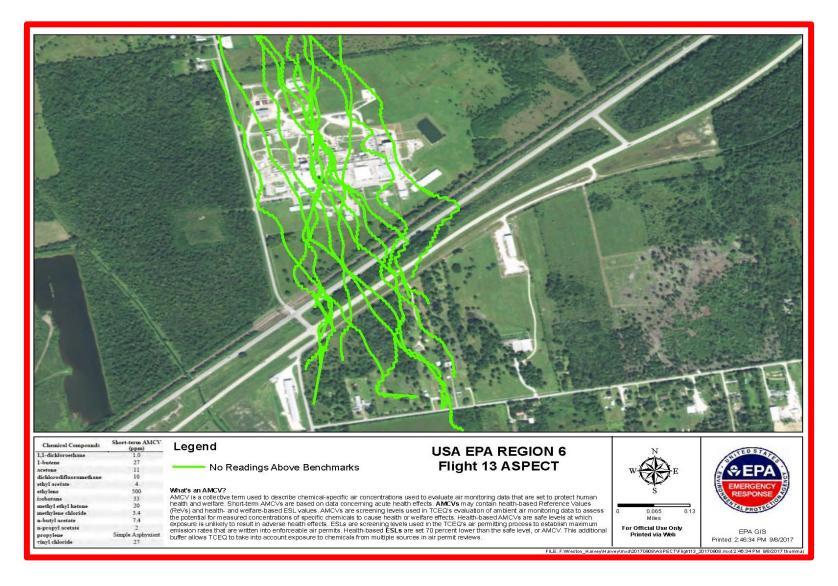




















TAGA Monitoring Activities



- Refineries
- Sensitive communities
- Chemical manufacturing









Protecting Texas by Reducing and Preventing Pollution EPA TAGA Data for Houston & Valero BENZENE Max 20170906 Texas Commission on Environmental Quality GS Team (Mail Code 197) P.O. Box 13067 Austin, Texas 78711-3087 Date: 9/22/2017 0.15 0.3 Miles BENZENE_MAX 0.00 - 0.27 0.28 - 0.740.75 - 1.45 1.46 - 2.522.53 - 4.39 4.40 - 7.24 7.25 - 15.98 This map was generated by the Information Resources Deviano of the Texas Commission on Environmental Quality. This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not expre-serts an on-the-gramed survey and properarits only the approximate infairly location of properly boundaries. For more information concerning this way, credited the Information Resource Division at (512) 239-4800. he event is located in Harris County. The circle (green) in he left inset map represents the approximate location of the even he meet map on the right represents the location of Harris CRF 20170906BENZENE









PHILIS Analytical Activities

- On- Site Releases
- Staging area sampling
- Superfund sites











Community Liaisons











Accomplishments

- 648 Hazard Evaluations completed
- 256 spills investigated
- 1,055 orphan containers recovered
- 625 drinking water assessments completed
- 441 waste water assessments completed
- Daily aerial over-flights for air monitoring
- Fuel waivers and No Action Assurance letters issued















Accomplishments cont.

- 7 fuel waivers signed, 7th waiver covers 38 states
- 4 No Action Assurance letters signed
- Ground support air monitoring
- 43 NPL site evaluations completed
- EPA fully integrated with TCEQ, TGLO and USCG in Unified Command













